

# Grantee: Tennessee

## Grant: B-13-DS-47-0002

### January 1, 2018 thru March 31, 2018 Performance

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<b>Grant Number:</b> B-13-DS-47-0002	<b>Obligation Date:</b>	<b>Award Date:</b>
<b>Grantee Name:</b> Tennessee	<b>Contract End Date:</b>	<b>Review by HUD:</b> Reviewed and Approved
<b>Grant Award Amount:</b> \$44,502,374.00	<b>Grant Status:</b> Active	<b>QPR Contact:</b> No QPR Contact Found
<b>LOCCS Authorized Amount:</b> \$44,502,374.00	<b>Estimated PI/RL Funds:</b>	
<b>Total Budget:</b> \$44,502,374.00		

### Disasters:

#### Declaration Number

No Disasters Found

### Narratives

#### Executive Summary:

The third largest river in the world, the fabled Father of Waters, the mighty Mississippi River, fuels industry, recreation and tourism, creates a livelihood for thousands who live along or near its banks and has inspired countless writers and musicians. But it also wreaks havoc on those same lives and communities through flooding. It is West Tennessee's biggest asset and biggest challenge. The 2011 floods and severe storms in rural West Tennessee were no exception. Much of this flooding was in rural areas and had a significant impact on low-to moderate-income citizens. In response to the impacts caused by the historic floods, the State of Tennessee has developed a comprehensive approach, titled Rural by Nature, to address needs of rural Tennessee. The Rural by Nature application combines federal, state and local partners in a collaborative effort to create resilient rural communities in these often ignored areas. These projects not only proactively minimize loss from future flooding and related natural occurrences but will create communities that can successfully manage and recover from shocks and stressors while building their economy and their assets. Great attention is being given to developing plans that are replicable and can be used in other rural areas along all of our major rivers across the country, particularly as climate change increases the frequency and disruptive force of disasters. While they generally receive less attention in disaster planning, rural areas are the heartbeat of America. Rural areas represent 90% of America's land mass and are the heart of our food production. Rural communities formed the foundation upon which our country was built. They also contain some of our most vulnerable citizens and have high levels of poverty and unemployment. Rural children, in particular, have been disproportionately affected by the recent economic downturn. This is particularly significant since child poverty often has an impact that lasts throughout a lifetime. The target areas for Rural by Nature are no exception – they are extremely distressed and have economies that are built on agriculture and food production. Funding for the projects chosen for Rural by Nature will enable the state to proactively reduce flood losses that will inevitably occur; to preserve the natural environmental and water resources that make the communities what they are; reduce the impacts of flooding; promote economic development, tourism, agriculture and recreation; and strategically deploy available resources to make the most significant impact. The result will be economically viable communities that will be able to attract and support businesses, weather natural disasters (including floods and earthquakes) and prepare for the impacts of climate change. This requires a comprehensive planning process to ensure that the progress already made is leveraged to meet unmet needs while creating strong opportunities for recreation, tourism and agriculture, currently the mainstays of these communities. To create a comprehensive, regional program, the unmet needs are addressed by projects in two basic groups: infrastructure repairs and economic revitalization. Without resilient infrastructure repairs, the communities will continue to spend a disproportionate amount on making short-term repairs that do not offer additional protection from

#### Executive Summary:

uture disasters. Without the economic revitalization projects, the communities will not have an opportunity to build on their assets in a way that promotes resiliency and recovery. Although none of the NDR projects are housing activities, ECD is committed to affirmatively furthering fair housing throughout the implementation of all the NDR projects and the administration of the grant. ECD and its sub-grantees will conduct the NDR activities in accordance with the State's Analysis of Im

#### MID-URN Areas:

Eligible activity. Funds will be used solely for the necessary expenses related to disaster relief, recovery and resiliency. All activities proposed in Phase 2 are eligible according to Community Development Block Grant (CDBG) rules and regulations, state and federal laws, the Stafford Act, etc. Proposal incorporates resiliency. All activities proposed in Phase 2 have incorporated resiliency to future flooding, climate change, earthquakes and other potential disasters. Tennessee has developed a partnership including other state, federal and local departments, non-profits and faith-based organizations for this application that will continue to work together to determine how future projects can incorporate the themes of resiliency. National objective. With respect to activities expected to be assisted with CDBG-NDR funds, the Application has



been developed to give the maximum feasible priority to activities that will benefit low- and moderate-income (LMI) families. All projects meet a national objective. Overall benefit. The aggregate use of CDBG–NDR funds will principally benefit LMI families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by Housing and Urban Development (HUD) based on a finding of compelling need. It is expected that well over 50 percent of funds will benefit LMI populations. Tie-back. Each target area and each project proposed in Phase 2 ties back to a disaster that occurred in an approved target area in 2011. One application per applicant. This is the only application that will be submitted by the State of Tennessee. Certifications. Tennessee Department of Economic and Community Development (TNECD) will comply with the certifications included in Attachment C and signed as a part of the electronic SF424. In Phase 1, The Rural by Nature project was composed of nine target areas in West and Middle Tennessee. During the development of the Phase 2 application, TNECD held multiple stakeholder meetings and consulted with professional engineers, educators, and other partners to determine the most affected areas and where the National Disaster Resilience Competition (NDRC) dollars could make the greatest impact. During these meetings it was determined that the focus for Phase 2 would be the 6 target areas in West Tennessee. Five of the target areas border the Mississippi River and the sixth has tributaries flowing to the Mississippi River; all are subject to regular flooding and experience other similar threats including the impacts of climate change and the risk of flooding and other damage from earthquakes and tornados. These are the most distressed and most impacted areas affected by the disasters that occurred in Tennessee in 2011 and early 2012. Below are the overviews of the target areas. Target Area 1 – Dyer County Eligible county: The eligible county is Dyer County. Most impacted and distressed target area: The target area census tracts are 9643, 9644, 9646 and 9648. MID URN Information: Impact – Infrastructure. The flooding in the City of Dyersburg caused damage to the sewer system in excess of \$4 million. Distress – Disaster impacted low- and moderate-income (LMI) households. The census tracts that make up the target area contain 51.25% LMI households. Disaster impacted an economically fragile area. Thrats in the target area is 9.45%, which is 152.4

### **MID-URN Areas:**

% of the national unemployment rate (Most Distressed Characteristics). Unmet recovery need – Infrastructure. At least \$4M in unmet infrastructure need that cannot be funded through other sources is documented in the target area. Narrative: The Forked Deer River runs through downtown Dyersburg to the Mississippi River and the wastewater treatment plant is located in this area. Dyersburg has revitalized their downtown over the last few years. By becoming a Main Street community, working with gra

### **Key Agencies, Partners, Positions, Personnel:**

#### Existing Management Structure

The Rural by Nature project will be led by TNECD, and Kent Archer, CDBG Director, will serve as the overall Program Manager. Joe Slaughter, Resilience Coordinator, will be the day-to-day contact for the projects. Brooxie and Kent currently manage all of the CDBG and CDBG-DR funds for the department; their staff will assist with the technical aspects of the projects. The Office of Community Programs is a part of the Rural Development division of TNECD. Other staff including regional staff working in the communities and other Rural Development staff will assist with the management of these projects.

While TNECD will manage the funding for the Rural by Nature project, the State has contracted with Stantec to assist in the overall Program Management and technical oversight tasks.

Stantec will provide management support to ensure resiliency and quality are adhered to within each activity. The Stantec Program Manager will be Steve Field, PE.

Each discipline has an assigned Subject Matter Expert (SME) who is licensed Professional Engineer (PE) and will oversee the activities that fall under their area of expertise. George Athanasakes will serve as the SME for Floodways and Trails. Paul Thomas will serve as SME for Wastewater. Amy Tolley will serve as SME for Social/Housing. Additionally, Marc Pearson, a Certified Floodplain Manager (CFM) will serve as SME for the Multi Hazard Mapping and Education. Susan Marlow will serve as Account Manager and ECD liaison to sub grantees. Cherie Akers will serve as SME for Planning.

Stantec will assist TNECD by utilizing an established Program Management framework to create cost containment and promote quality control throughout the entire Program. Stantec will employ the same framework for each of the Program activities presented in this application.

Project #1: Jackson Wastewater System Improvements - Jackson Energy Authority

Eddie O'Neill - JEA

JR Wauford & Company, Consulting Engineers, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #2: Dyersburg Wastewater System Rehabilitation - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #3: Henning Wastewater System Rehabilitation – Town of Henning

Marva Temple - Mayor, Town of Henning

A2H, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #4: Mississippi River Levee Pump Installation – West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #5: Dyersburg Wetland Creation and Recreation Facilities - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #6: Forked Deer River Floodplain and Waterway Restoration - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Ch

### **Key Agencies, Partners, Positions, Personnel:**

ief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #7: Jackson Flood Control - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)



Project #8: Cold Creek Chute Restoration  
 David Salyers - Executive Director  
 David Blackwood - Chief Engineer  
 Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #9: Mississippi River Corridor Overlook – Lauderdale County  
 Maurice Gaines – Lauderdale County Mayor  
 A2H Inc. – Engineering Design  
 Community Development Partners, LLC - Grant Administration

Project #10: Hazard Mapping, Assessment, and Education - University of Memphis  
 Gary Lee Patterson - Director of Education & Outreach - Center of Earthquake Research & Information  
 Mark Abkowitz - Director of Vanderbilt Center for Environmental Management Studies - Vanderbilt University  
 Mary MacKinnon - Grant Writer - Central U.S. Earthquake Consortium  
 Kendra Abkowitz - Senior Policy Analyst - Office of Policy and Planning, TDEC

Overall	This Report Period	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$58,070,174.00
<b>Total Budget</b>	\$0.00	\$44,502,374.00
<b>Total Obligated</b>	\$619,850.02	\$1,890,155.82
<b>Total Funds Drawdown</b>	\$526,115.27	\$1,796,421.07
<b>Program Funds Drawdown</b>	\$526,115.27	\$1,796,421.07
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$410,841.68	\$922,846.18
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Progress Toward Required Numeric Targets

Requirement	Target	Actual
<b>Overall Benefit Percentage (Projected)</b>		100.00%
<b>Overall Benefit Percentage (Actual)</b>		100.00%
<b>Minimum Non-Federal Match</b>	\$0.00	\$0.00
<b>Limit on Public Services</b>	\$6,675,356.10	\$0.00
<b>Limit on Admin/Planning</b>	\$8,900,474.80	\$510,778.06
<b>Limit on Admin</b>	\$0.00	\$429,111.81
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$0.00	\$0.00

## Overall Progress Narrative:

All of the NDR activities are making progress. Currently, 6 activities cleared the environmental stage, and the other 4 are expected to follow suite in the coming quarter. Two activities have bid contracts, and two more will bid in the next quarter. construction 01 JEA, 02 Dyersburg, and 03 Henning are expected to begin in the next quarter. Progress on 05 Dyersburg has slowed, as HUD and ECD have determined the activity should be treated as a buyout activity. Policies and procedures will be developed in the next quarter so acquisition can begin. Although some activities had initial delays and have had to revise the timelines, all activities are still on track to be completed well within the overall grant period.



# Project Summary

## Project #, Project Title

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
LTC Project Tennessee, Long Term Commitments	\$0.00	\$0.00	\$0.00
NDR 01 JEA, Jackson Wastewater System Improvements	\$189,306.00	\$13,400,000.00	\$667,806.00
NDR 02 Dyersburg, Dyersburg Wastewater System	\$80,055.00	\$3,042,500.00	\$276,055.00
NDR 03 Henning, Henning Wastewater System	\$34,869.38	\$1,809,000.00	\$182,969.67
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$3,976.00	\$2,945,000.00	\$3,976.00
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$150,511.84	\$4,619,100.00	\$150,511.84
NDR 06 WTRBA, Forked Deer River Floodplain and	\$637.00	\$5,660,000.00	\$637.00
NDR 07 WTRBA, Jackson Flood Control	\$878.50	\$5,860,000.00	\$878.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$700.00	\$185,000.00	\$700.00
NDR 09 Lauderdale County, Mississippi River Corridor	\$2,109.00	\$1,244,500.00	\$2,109.00
NDR 10 University of Memphis, Hazard Mapping,	\$81,666.25	\$3,576,731.00	\$81,666.25
NDR Administration, Administration	(\$18,593.70)	\$2,160,543.00	\$429,111.81
OV Project Tennessee, NDR Outcome Values	\$0.00	\$0.00	\$0.00
SL Project Tennessee, Supporting Leverage	\$0.00	\$0.00	\$0.00



# Activities

**Project # /**                      **NDR 01 JEA / Jackson Wastewater System Improvements**

**Grantee Activity Number:**                      **NDR 01 JEA**  
**Activity Title:**                                      **Jackson Wastewater System Improvements**

**Activity Category:**  
 Construction/reconstruction of water/sewer lines or systems  
**Project Number:**  
 NDR 01 JEA  
**Projected Start Date:**  
 12/27/2016  
**Benefit Type:**  
 Area ( )  
**National Objective:**  
 Low/Mod

**Activity Status:**  
 Under Way  
**Project Title:**  
 Jackson Wastewater System Improvements  
**Projected End Date:**  
 09/30/2022  
**Completed Activity Actual End Date:**  
  
**Responsible Organization:**  
 Jackson Energy Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$13,400,000.00
<b>Total Budget</b>	\$0.00	\$13,400,000.00
<b>Total Obligated</b>	\$189,306.00	\$667,806.00
<b>Total Funds Drawdown</b>	\$189,306.00	\$667,806.00
<b>Program Funds Drawdown</b>	\$189,306.00	\$667,806.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$189,603.00	\$668,103.00
Jackson Energy Authority	\$189,603.00	\$668,103.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Activity Description:

During the 2011 flood the Jackson Energy Authority Miller Avenue Wastewater Treatment Plant (MAWTP) exceeded its average daily flow of 9.3 million gallons per day (MGD) by approximately three and a half times. While many improvements were made, there are still unmet needs. This project includes three parts 1) influent structure replacement; 2) rehabilitation of the Riverside Interceptor, the primary method for collecting wastewater; and 3) redundancy in South Jackson water and sanitary sewer currently located on the bridge across the Forked Deer River where a failure would affect over 9,000 customers including most of the county's industrial facilities.

## Location Description:

Southern half of Madison County. Includes the following Census Tracts.  
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14.01, 14.02, 17, 18 ,19

### Activity Progress Narrative:

This activity is broken down into 5 phases. Phase 1 to make improvements to the wastewater system's 54 inch interceptor was bid in mid-December. Phase 2 to rehabilitate one of the wastewater system's primary pump stations was bid March 30. Both of these phases are expected to start construction in May and June and be completed toward the end of summer. The overall activity is progressing well and is on-track.

### Accomplishments Performance Measures

No Accomplishments Performance Measures

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

## Project # / NDR 02 Dyersburg / Dyersburg Wastewater System

<b>Grantee Activity Number:</b>	<b>NDR 02 Dyersburg</b>
<b>Activity Title:</b>	<b>Dyersburg Wastewater System Rehabilitation</b>

#### Activity Category:

Construction/reconstruction of water/sewer lines or systems

#### Project Number:

NDR 02 Dyersburg

#### Projected Start Date:

12/27/2016

#### Benefit Type:

Area ( )

#### National Objective:

Low/Mod

#### Activity Status:

Under Way

#### Project Title:

Dyersburg Wastewater System Rehabilitation

#### Projected End Date:

09/30/2022

#### Completed Activity Actual End Date:

#### Responsible Organization:

City of Dyersburg

#### Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2018

N/A

To Date

\$3,042,500.00

Total Budget

\$0.00

\$3,042,500.00

Total Obligated

\$80,055.00

\$276,055.00

Total Funds Drawdown

\$80,055.00

\$276,055.00





Construction/reconstruction of water/sewer lines or systems

Under Way

**Project Number:**

NDR 03 Henning

**Project Title:**

Henning Wastewater System Rehabilitation

**Projected Start Date:**

12/27/2016

**Projected End Date:**

09/30/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Town of Henning

**Overall**

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2018**

N/A

**To Date**

\$1,809,000.00

**Total Budget**

\$0.00

\$1,809,000.00

**Total Obligated**

\$34,869.38

\$182,969.67

**Total Funds Drawdown**

\$34,869.38

\$182,969.67

**Program Funds Drawdown**

\$34,869.38

\$182,969.67

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$34,869.38

\$34,869.38

Town of Henning

\$34,869.38

\$34,869.38

**Most Impacted and Distressed Expended**

\$0.00

\$0.00

**Match Contributed**

\$0.00

\$0.00

**Activity Description:**

The sewer collection system in the Town of Henning continues to experience significant infiltration issues with the problem becoming more severe since the 2010 and 2011 flood events. The infiltration of stormwater into the wastewater collection system contributes to frequent overtopping of the municipal wastewater lagoon levee system. These events weakened the integrity of the levee structure and contributed to new emergency repair attempts. This project involves lining one of Henning's older lagoons with an HDPE liner, upgrading the outfall system, utilizing Cured-In-Place pipe repairs to rehabilitate the existing sewer lines in order to permanently fix the levee and reduce I/I, and replacing failing manhole covers with water-tight covers to reduce I/I.

**Location Description:**

The project will benefit the entire Town of Henning.

**Activity Progress Narrative:**

The assessment of the wastewater system has been completed. In this quarter plans and specs have also been completed, submitted, and approved the sewer collection line rehab work and the rehab of the sewer system pump stations. In the upcoming quarter advertisement for bid of the above two contracts will be advertised, bids opened, and contracts awarded and executed. Construction may begin in mid to late June, but will more likely begin in the next quarter.



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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## Project # / NDR 04 WTRBA / Mississippi River Levee Pump Installation

**Grantee Activity Number:** NDR 04 WTRBA

**Activity Title:** Mississippi River Levee Pump Installation

**Activity Category:**

Construction/reconstruction of water/sewer lines or systems

**Activity Status:**

Under Way

**Project Number:**

NDR 04 WTRBA

**Project Title:**

Mississippi River Levee Pump Installation

**Projected Start Date:**

12/27/2016

**Projected End Date:**

09/30/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

West Tennessee River Basin Authority

### Overall

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2018**

N/A

**To Date**

\$2,945,000.00

**Total Budget**

\$0.00

\$2,945,000.00

**Total Obligated**

\$3,976.00

\$3,976.00

**Total Funds Drawdown**

\$3,976.00

\$3,976.00

**Program Funds Drawdown**

\$3,976.00

\$3,976.00

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$3,976.00

\$3,976.00

West Tennessee River Basin Authority	\$3,976.00	\$3,976.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Tiptonville is protected from flooding by the Mississippi River Levee, however during times of heavy rains the town still floods. Portable pumps are brought in regularly from outside sources to pump the flood waters. Installing permanent pumps will prevent flooding in the area. This would make the entire area more resilient and less prone to flooding, and would directly protect 21 homes and downtown Tiptonville.

**Location Description:**

The pump will be installed on the levee to the north of Tiptonville near the intersection of Tipton Street and Hays Street.

**Activity Progress Narrative:**

The environmental review process is underway and nearing completion. The location of this pump will be permanently fixed on a USACE levee along the Mississippi River, which has required in-depth coordination throughout the environmental review process. In the coming quarter we expect to review and approve the environmental documents and move into engineering design. Plans and specs may also be submitted in the next quarter, as some design work has been required to complete the environmental.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 05 Dyersburg / Dyersburg Wetlands Creation and**

<b>Grantee Activity Number:</b>	<b>NDR 05 Dyersburg</b>
<b>Activity Title:</b>	<b>Dyersburg Wetlands Creation and Recreation Facilit</b>

**Activity Category:**  
Acquisition, construction, reconstruction of public facilities

**Project Number:**  
NDR 05 Dyersburg

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
( )

**Activity Status:**  
Under Way

**Project Title:**  
Dyersburg Wetlands Creation and Recreation

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

City of Dyersburg

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$4,619,100.00
<b>Total Budget</b>	\$0.00	\$4,619,100.00
<b>Total Obligated</b>	\$150,511.84	\$150,511.84
<b>Total Funds Drawdown</b>	\$150,511.84	\$150,511.84
<b>Program Funds Drawdown</b>	\$150,511.84	\$150,511.84
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The City of Dyersburg intends to implement a comprehensive plan to improve the quality of life for its citizens, targeting the LMI population in the area of South Town affected by the flood waters in 2011. Blighted and environmentally sensitive properties affected by the 2011 flood will be converted into wetlands, greenways, and stormwater management recreational facilities. This conversion will mitigate the impact of future flood events, improve the health and wellness of citizens, provide miles of greenways for regional ecotourism, and provide safe access for non-vehicular traffic to food, medical, municipal, and philanthropic services available in downtown Dyersburg. As part of this activity the City will convert land currently in floodplain to wetlands, develop recreational facilities, including basketball courts and a soccer complex that will also serve as land for floodwater retention, and the construction a police outpost to serve the neighborhood and the recreational facilities.

**Location Description:**

Dyer County Census Tracts 9643, 9644, 9646, 9648

**Activity Progress Narrative:**

The ERR was approved in the previous quarter, and the acquisition process has begun. Preliminary estimates for some of the properties have been developed. Under the guidance from HUD, as a result of the March 20 technical assistance visit, this activity will be treated as a buyout activity. We are now working with the City and HUD to develop buyout policies and procedures to guide the acquisition process. In the next quarter we anticipate having the buyout policies and procedures in place and proceeding with the acquisition process.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of public facilities</b>	0	0/2
<b># of Acres wetlands</b>	0	0/12



## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

Match Sources	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Project # / NDR 06 WTRBA / Forked Deer River Floodplain and

<b>Grantee Activity Number:</b>	<b>NDR 06 WTRBA</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

### Activitiy Category:

Acquisition, construction, reconstruction of public facilities

### Project Number:

NDR 06 WTRBA

### Projected Start Date:

12/27/2016

### Benefit Type:

Area ( )

### National Objective:

Low/Mod

### Activity Status:

Under Way

### Project Title:

Forked Deer River Floodplain and Waterway

### Projected End Date:

09/30/2022

### Completed Activity Actual End Date:

### Responsible Organization:

West Tennessee River Basin Authority

## Overall

	Jan 1 thru Mar 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$5,660,000.00
Total Budget	\$0.00	\$5,660,000.00
Total Obligated	\$637.00	\$637.00
Total Funds Drawdown	\$637.00	\$637.00
Program Funds Drawdown	\$637.00	\$637.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$637.00	\$637.00



West Tennessee River Basin Authority	\$637.00	\$637.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This project will create more than 800 acres of floodplain to reduce flooding for the Dyer County target area. Additionally, this project will be developed to incorporate bike and hiking trails, boardwalks, waterfowl and wildlife viewing areas, educational kiosks, easy access fishing piers, canoe access and restroom facilities.

**Location Description:**

The project location is in the northwest corner of Madison County, but the project beneficiaries are located in the Dyer County target area.

**Activity Progress Narrative:**

The environmental review process is underway and nearing completion. The SHPO requested an archeological survey be completed during the environmental review process. Much of the project design has been completed, as items like hydrological surveys had to be developed to provide information for the environment. In the coming quarter we expect to review and approve the environmental documents and move into engineering design. Plans and specs may also be submitted in the next quarter.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

<b>Match Sources</b>	<b>Amount</b>
West Tennessee River Basin Authority	\$7,500,000.00
Subtotal Match Sources	
<b>Other Funding Sources</b>	<b>Amount</b>
No Other Funding Sources Found	
Total Other Funding Sources	

**Project # / NDR 07 WTRBA / Jackson Flood Control**

<b>Grantee Activity Number:</b>	<b>NDR 07 WTRBA</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**  
Dike/dam/stream-river bank repairs

**Project Number:**  
NDR 07 WTRBA

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**Activity Status:**  
Under Way

**Project Title:**  
Jackson Flood Control

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$5,860,000.00
<b>Total Budget</b>	\$0.00	\$5,860,000.00
<b>Total Obligated</b>	\$878.50	\$878.50
<b>Total Funds Drawdown</b>	\$878.50	\$878.50
<b>Program Funds Drawdown</b>	\$878.50	\$878.50
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$878.50	\$878.50
West Tennessee River Basin Authority	\$878.50	\$878.50
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Flooding is prevalent in urban parts of Jackson. Large unsightly drainage areas will be converted to storm water detention and infiltration basins that mimic the function of large attractive "rain gardens" and virtually eliminate localized flooding along these streams. The structures will incorporate several features such as eradication of an invasive species, ground water infiltration, wetland creation, establishment of hardwood forests, water quality improvements, wildlife viewing opportunities, and community gardens as well as trails and greenways that connect residential and business districts. Flood risk reduction, protection of infrastructure and an improvement in quality of life for vulnerable populations are the key benefits of this project.

**Location Description:**

Southern+half+of+Madison+County.+Includes+the+following+Census+Tracts.

1,+2,+3,+4,+5,+6,+7,+8,+9,+10,+11,+13,+14.01,+14.02,+17,+18+,19

**Activity Progress Narrative:**

The environmental review process is underway. The grantee will be submitting 3 ERRs for the various sub-activities, 2 drainage basins and trail development. This strategy was settled on so that the entire project isn't held up by an environmental review of one sub-activity.

In the coming quarter we expect to review and approve the environmental documents and move into engineering design.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**



## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

### Match Sources

West Tennessee River Basin Authority	Amount \$900,000.00
Subtotal Match Sources	

### Other Funding Sources

No Other Funding Sources Found	Amount
Total Other Funding Sources	

## Project # / NDR 08 WTRBA / Cold Creek Chute Restoration

<b>Grantee Activity Number:</b>	<b>NDR 08 WTRBA</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

### Activity Category:

Dike/dam/stream-river bank repairs

### Project Number:

NDR 08 WTRBA

### Projected Start Date:

12/27/2016

### Benefit Type:

Area ( )

### National Objective:

Low/Mod

### Activity Status:

Under Way

### Project Title:

Cold Creek Chute Restoration

### Projected End Date:

09/30/2022

### Completed Activity Actual End Date:

### Responsible Organization:

West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$185,000.00
<b>Total Budget</b>	\$0.00	\$185,000.00
<b>Total Obligated</b>	\$700.00	\$700.00
<b>Total Funds Drawdown</b>	\$700.00	\$700.00
<b>Program Funds Drawdown</b>	\$700.00	\$700.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$700.00	\$700.00
West Tennessee River Basin Authority	\$700.00	\$700.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00



### Activity Description:

Cold Creek Chute is a Mississippi River Oxbow Lake that is a key component of the rural economy in western Lauderdale County. This lake is used for recreation, including fishing and hunting. A rock spillway that controls summer levels failed as a result of the 2011 flood. Temporary repairs have been made but were not successful. Water levels below normal pool elevation prevent the public from accessing the lake. The proposed project will restore use of this resource and, when combined with the recreational benefits of the other projects in this county, will increase recreation and tourism opportunity.

### Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

### Activity Progress Narrative:

The environmental review process is underway, and is nearing completion. Due to the location consultation with Arkansas has been necessary slowed the process a bit. In the coming quarter we expect to review and approve the environmental documents and move into engineering design.

### Accomplishments Performance Measures

**No Accomplishments Performance Measures**

### Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

### Activity Locations

**No Activity Locations found.**

### Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

#### Other Funding Sources

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

## Project # / NDR 09 Lauderdale County / Mississippi River Corridor

**Grantee Activity Number:** NDR 09 Lauderdale County

**Activity Title:** Mississippi River Corridor Overlook

#### Activity Category:

Acquisition, construction, reconstruction of public facilities

#### Activity Status:

Under Way

#### Project Number:

NDR 09 Lauderdale County

#### Project Title:

Mississippi River Corridor Overlook

#### Projected Start Date:

12/27/2016

#### Projected End Date:

09/30/2022

#### Benefit Type:

Area ( )

#### Completed Activity Actual End Date:

#### National Objective:

Low/Mod

#### Responsible Organization:

Lauderdale County TN



Overall	Jan 1 thru Mar 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,244,500.00
Total Budget	\$0.00	\$1,244,500.00
Total Obligated	\$2,109.00	\$2,109.00
Total Funds Drawdown	\$2,109.00	\$2,109.00
Program Funds Drawdown	\$2,109.00	\$2,109.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$2,109.00	\$2,109.00
Lauderdale County TN	\$2,109.00	\$2,109.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

### Activity Description:

A conceptual plan was developed for Lauderdale County to help eliminate erosion along the bluff areas of the Mississippi River and provide tourism and recreation benefit to the area. This project involves the construction of one overlook and formalizing the conceptual plan already created into a master plan with a resilient engineering design.

### Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

### Activity Progress Narrative:

ERR has been reviewed and approved. Two potential sites have been determined as the possible location of the overlook; both are covered in the ERR. The county is now getting ready for acquisition. The tourism plan is now about 60% complete and has shown continual and consistent progress in development. In the next quarter the county will continue with the tourism plan development. The county will also be in the acquisition process for the location of the overlook. If all goes well, acquisition will be completed within the quarter.

### Accomplishments Performance Measures

**No Accomplishments Performance Measures**

### Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

### Activity Locations

**No Activity Locations found.**

### Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



**Project # / NDR 10 University of Memphis / Hazard Mapping, Education,**

**Grantee Activity Number: NDR 10 University of Memphis**  
**Activity Title: Hazard Mapping, Education, and Assessment**

**Activity Category:**

Planning

**Project Number:**

NDR 10 University of Memphis

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Hazard Mapping, Education, and Assessment

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Memphis

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$3,576,731.00
<b>Total Budget</b>	\$0.00	\$3,576,731.00
<b>Total Obligated</b>	\$81,666.25	\$81,666.25
<b>Total Funds Drawdown</b>	\$81,666.25	\$81,666.25
<b>Program Funds Drawdown</b>	\$81,666.25	\$81,666.25
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$81,666.25	\$81,666.25
University of Memphis	\$81,666.25	\$81,666.25
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This project represents a multidisciplinary partnership between the University of Memphis, Vanderbilt University, and TDEC to develop, analyze, store and freely distribute data that can be used to plan for and create resilient strategies for some of the most vulnerable populations in the Rural by Nature study area. This data, developed through a series of studies, will help fill a large data gap in West Tennessee that is preventing many communities from becoming more resilient. The project includes the following actions to enhance resilience in the NDR target areas.

- Mississippi River Supply Chain Risk Evaluation
- Structural Earthquake Risk Assessment for Schools
- Agricultural Flood Loss Mapping
- School Curriculum Development
- Flood Impact Assessment
- Web System Development
- Earthquake Hazards Assessment



### Location Description:

This will cover all NDR target area locations.

### Activity Progress Narrative:

This activity is 8 sub-activities being performed by the Univ. of Memphis, Vanderbilt, CUSEC, and Stantec. Currently 4 of the sub-activities are underway: Flood Impact Assessment, Seismic Hazards, Interactive Hazards Database, and TNPlan development. The other 4 sub-activities are scheduled to start at later dates. All sub-activities currently underway are making good progress and are staying on track. Some issues have arisen concerning the U of M invoicing, but have since been resolved. In the next quarter we expect the U of M to submit an invoice for most of the work completed thus far. We expect the Risk Curriculum sub-activity to get started. The other active sub-activities will continue as well.

### Accomplishments Performance Measures

No Accomplishments Performance Measures

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

### Project # / NDR Administration / Administration

<b>Grantee Activity Number:</b>	<b>NDR 12 ECD Admin</b>
<b>Activity Title:</b>	<b>ECD Administration</b>

#### Activity Category:

Administration

#### Project Number:

NDR Administration

#### Projected Start Date:

12/27/2016

#### Benefit Type:

( )

#### National Objective:

NA

#### Activity Status:

Under Way

#### Project Title:

Administration

#### Projected End Date:

09/30/2022

#### Completed Activity Actual End Date:

#### Responsible Organization:

State of Tennessee

#### Overall

Total Projected Budget from All Sources

Total Budget

#### Jan 1 thru Mar 31, 2018

N/A

\$0.00

#### To Date

\$385,543.00

\$385,543.00



<b>Total Obligated</b>	\$16,347.55	\$93,627.56
<b>Total Funds Drawdown</b>	\$16,347.55	\$93,627.56
<b>Program Funds Drawdown</b>	\$16,347.55	\$93,627.56
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$16,347.55	\$16,347.55
State of Tennessee	\$16,347.55	\$16,347.55
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Administration for all NDR activities

**Location Description:**

All NDR target areas in the counties of Dyer, Lake, Lauderdale, and Madison.

**Activity Progress Narrative:**

ECD has continued to provide guidance and assistance to sub-recipients. ECD was notified the Resilience Coordinator will be leaving ECD in April. A plan of action has been to continue with the oversight and progress of the activities with existing CDBG staff while a long term decision is being made. Revised expenditure projection will be submitted in the next quarter to reflect the initial delay in some of the activities.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources



**Grantee Activity Number:** NDR 13 Stantec Admin

**Activity Title:** Stantec Administration

**Activity Category:**

Administration

**Project Number:**

NDR Administration

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Stantec Consulting Services Inc.

**Overall**

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2018**

N/A

**To Date**

\$1,775,000.00

**Total Budget**

\$0.00

\$1,775,000.00

**Total Obligated**

\$58,793.50

\$429,219.00

**Total Funds Drawdown**

(\$34,941.25)

\$335,484.25

**Program Funds Drawdown**

(\$34,941.25)

\$335,484.25

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$0.00

\$33,504.50

Stantec Consulting Services Inc.

\$0.00

\$33,504.50

**Most Impacted and Distressed Expended**

\$0.00

\$0.00

**Match Contributed**

\$0.00

\$0.00

**Activity Description:**

Administration of NDR activities

**Location Description:**

All NDR target areas

**Activity Progress Narrative:**

Stantec has continued to work in its capacity of providing administrative capacity to ECD for the NDR activities. All document submittals are reviewed first by Stantec, with special attention to the technical aspects. The reduction in expenditures for the quarter is really an adjustment for program delivery costs that should have been associated with NDR activities instead of being considered administration.

**Accomplishments Performance Measures**

**No Accomplishments Performance Measures**

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

## Project # / OV Project Tennessee / NDR Outcome Values

**Grantee Activity Number:** OV 01 JEA (ECO)  
**Activity Title:** Jackson Wastewater System Improvements

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00



Match Contributed

\$0.00

\$0.00

**Activity Description:**

Currently average annual energy consumption is 2.97 million, a 10% reduction is projected based upon preliminary engineer assessments. JEA will collect the data.

The average number of service disruption hours is currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

The average emergency maintenance costs are currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The energy costs for the quarter were reduced by 15% compared to the historical average for the same time period. This is notable considering the record amounts of rainfall for the month of February.

The baseline data for the reduction in emergency maintenance costs are still being developed. The costs for the quarter was \$189,358.64 which is noticeably lower than the average of \$226,951.16 over the life of the grant.

The baseline data for the reduction in disruption hours are still being developed. During this quarter no disruption hours occurred, which is measurable positive.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	8/10
% decrease in disruption hours	0	0/5
% reduction in energy costs	15	44/10

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 01 JEA (ENV)</b>
<b>Activity Title:</b>	<b>Jackson Wastewater System Improvements</b>

**Activity Category:**

NDR - Environmental Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 8000 LF of sewer repaired/replaced based on preliminary assessments and budget projections by JEA. JEA will collect the data.  
 There is an average of 1.55 SSO events in the JEA system annually, based upon engineering reports a 5% reduction is expected because of the system rehabilitation. JEA will collect the data.  
 The average I and I during storm events is being calculated by JEA by different level of events, an overall decrease of 5% is expected based upon preliminary engineer reports. JEA will collect the data.  
 The average flow is 3100 annually based upon JEA data, a decrease of 5% is projected based on preliminary engineer reports. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

No line was repaired or replaced this quarter. Construction will begin next quarter and JEA should have numbers to report. Ne reduction for flow at treatment plant. This OV is dependent on a qualifying event, and one did not occur in the quarter.



Baseline data is still be developed for I/I in storm events so decreases can't be reported. However, due to heavy rains I/I during the quarter.

8 SSO events were recorded during the quarter. This translates to a roughly 700% increase over the quarterly historical average of 1.125. Again, these events are attributed to a wetter than average quarter, in some cases, even record setting.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	0	0/2500
% reduction in flow (# gpm/cfm)	0	0/5
% reduction of	0	0/5
% reduction of sanitary sewer	700	1400/5

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 01 JEA (RES)</b>
<b>Activity Title:</b>	<b>Jackson Wastewater System Improvements</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 7500 water/sewer line constructed based upon preliminary engineer reports and budget projections. JEA will collect the data.  
 Current levels of service loss are being calculated by JEA, based upon engineer reports a 10% decrease is projected because of system rehab. JEA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun, so no water or sewer line has been constructed.  
 Baseline data for reduction in loss of service is still being developed, but no loss of service was experienced in the quarter.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear of sewer/water line	0	0/6800
% reduction in loss of service	0	0/8

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---



**Grantee Activity Number:** OV 02 Dyersburg (ECO)  
**Activity Title:** Dyersburg Wastewater System Rehabilitation

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

There is currently an average of \$26,685.71 in annual emergency maintenance costs to in the Dyersburg waste water system, the projected % decrease is pending a system inventor (part of the project). The data was collected from the city of Dyersburg's records; the city will continue to collect data.

**Activity Progress Narrative:**

No emergency maintenace costs were reported for the quarter.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b>% reduction in emergency</b>	0	0/2500



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



**Grantee Activity Number:** OV 02 Dyersburg (ENV)  
**Activity Title:** Dyersburg Wastewater System Rehabilitation

**Activity Category:**  
 NDR - Environmental Value

**Project Number:**  
 OV Project Tennessee

**Projected Start Date:**  
 12/27/2016

**Benefit Type:**  
 Area ( )

**National Objective:**  
 NA

**Activity Status:**  
 Under Way

**Project Title:**  
 NDR Outcome Values

**Projected End Date:**  
 09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
 City of Dyersburg

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 new manhole covers, there will be 50 upon completion of the project. This data was collected from budget projections from the city of Dyersburg, who will continue to collect data. The city of Dyersburg projects that there will be 2 SSO events during the life of the project. This data was collected by the city engineers of Dyersburg, who will continue to gather the data. The current average annual flow is 1160, the projected decrease during a flood event will be calculated after a system inventory. This data was collected by the city of Dyersburg, who will continue collection.

**Location Description:**

**Activity Progress Narrative:**

The contract for manhole replacement is going to bid the next quarter. No manholes have been replaced yet. Due to the heavy rain events in the quarter, 2 SSO events were recorded. It is unknown how this compares with historical events, but it is slightly above the 1.5 average of events over the reporting period for the grant. No 25 year flood events were reported for the quarter, so there is no flow data to report.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of manhole covers replaced	0	0/50
# of sanitary sewer overflows	2	3/2
% reduction in flow (# gpm/cfm)	0	0/20

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 02 Dyersburg (RES)</b>
<b>Activity Title:</b>	<b>Dyersburg Wastewater System Rehabilitation</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There is currently 0 LF of sewer line examined, there will be 43,000 LF inventoried at the completion of the project as a result of a camera verification. This data was collected by the city of Dyersburg and they will continue collection. There is not currently any sewer system plans in place, there will be 1 at the completion of the project. This data was collected by the city of Dyersburg and they will continue collection. It is projected that, as a result of the system inventory and budgeting, there will be 8,600 LF of sewer line repaired/replace at the completion of the project. This data is based on budget projections and was collected by the city of Dyersburg who will continue collection.

**Location Description:**

**Activity Progress Narrative:**

The results of the system examination and investigation have not yet been fully compiled into a documented plan or report. All investigative work within the wastewater system has been completed. There are no linear feet left to examine.



The contract for line replacement/repair is being bid next quarter. Construction will begin soon after. For now there is nothing to report.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	0/1
# of linear feet of water/sewer	0	0/8600
# of liner feet examined	0	42576/43000

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 03 Henning (ENV)</b>
<b>Activity Title:</b>	<b>Henning Wastewater System Rehabilitation</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Town of Henning

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 40 manhole covers replaced based upon budget projections. Henning will collect the data.  
 There will be 10,000 LF of water/sewer line repaired/replaced based upon budget projections. Henning will collect the data.  
 There are projected to be 8 SSOs during the duration of the contract. The town of Henning will collect the data.  
 Current levels of I and I are being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.  
 Current levels of flow at the treatment plant is being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.  
 Current levels of affluent discharge is being calculated by the town of Henning, a 20% decrease is expected to occur based upon preliminary engineer reports. The town of Henning will collect the data.

**Location Description:**

**Activity Progress Narrative:**



Construction has not yet begun so no lines have been improved.  
 Construction has not yet begun so manhole covers have been replaced.  
 Due to heavy rain events during the quarter, 3 SSO events were reported.  
 A 25 year storm event did not occur within the quarter so there is no data to report for I/I events  
 A 25 year storm event did not occur within the quarter so there is no data to report for flow at the WWTP.  
 Due to heavy rain events during the quarter, increased effluent discharge from the WWTP was reported, approximately 31% over the historical average for the quarter.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	0	0/10000
# of manhole covers replaced	0	0/40
# of sanitary sewer overflows	3	3/4
% decrease in affluent	31	73/10
% reduction in flow (# gpm/cfm)	0	0/10
% reduction of	0	0/10

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>OV 03 Henning (RES)</b>
<b>Activity Title:</b>	<b>Henning Wastewater System Rehabilitation</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Town of Henning

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Based upon preliminary engineer reports and budget projections, there will be 3 pump stations repaired/replaced. The town of Henning will collect the data.  
 Based upon preliminary engineer reports and budget projections, there will be 1 containment system constructed. The town of Henning will collect the data.

**Location Description:**

**Activity Progress Narrative:**

Construction has not yet begun so no pump stations have been replaced.  
 Construction has not yet begun so lagoon repairs and the containment system have not been constructed..

**Accomplishments Performance Measures**

<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
<b>Total</b>	<b>Total</b>

# of containment systems	0	0/1
# of pump stations	0	0/3

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (ECO)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**  
NDR - Economic Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The average emergency man hours during a flood event will be modeled by WTRBA at the beginning of the project. There is projected to be a 25% decrease based upon previous WTRBA projects. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The pump has not yet been constructed so no reduction in emergency man hours can be reported.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b>% decrease in emergency man-</b>	0	0/25



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**  
NDR - Environmental Value

**Activity Status:**  
Under Way

**Project Number:**  
OV Project Tennessee

**Project Title:**  
NDR Outcome Values

**Projected Start Date:**  
12/27/2016

**Projected End Date:**  
09/30/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

As there is currently no pumping capacity, the projected increase will be 100%. This is based off of budget projections and previous WTRBA projects. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The pump has not yet been constructed so no increase in pump capacity can be reported.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% Increase in pumping capacity</b>	0	0/100



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 04 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Mississippi River Levee Pump Installation</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The average crop land protected during a flood event will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% increase, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average area inundation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average water elevation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 5% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The pump has not yet been constructed so no metrics can be reported, as these are all contingent on the pump's construction..



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in area inundated	0	0/10
% decrease water surface	0	0/5
% increase in acres of cropland	0	0/10

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (ECO)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Economic Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
City of Dyersburg

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

**Location Description:**

**Activity Progress Narrative:**

Due to the heavy and persistent rain events in the quarter, 4 road closures were reported, but 3 buildings were protected from flooding. We expect to see the protection numbers increase as the activity progresses in similar events.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	4	4/12
% of buildings	3	3/5

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (ENV)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
City of Dyersburg

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

Currently there are 39 acres of green space in the project area, the increase in green space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

**Activity Progress Narrative:**

The activity is starting the acquisition process so no land has yet been converted.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% Increase in number of acres</b>	0	0/39



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (RES)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

There are currently 0 acres of wetland in the project area, there will be 12 acres upon project completion. The data was derived from budget projections and will be collected by the city of Dyersburg.

**Location Description:**

**Activity Progress Narrative:**

Baseline data is still being developed and reworked to adequately represent and report changes to these OVs. There were 4 road closures and 3 building protected from flooding during the quarter.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/12
% decrease in road closures in	0	0/12
% of buildings	0	0/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>OV 05 Dyersburg (SOC)</b>
<b>Activity Title:</b>	<b>Dyersburg Wetland and Parks Creation</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

There is currently 39 acres of open space within the project area, the increase in open space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

There are currently 0 locally sponsored events in the project area, there will be 10 by the completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

There are currently 0 recreation facilities in the project area, there will be 2 upon completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

**Activity Progress Narrative:**

Acquisition is currently beginning for the activity. No data will be available for reporting until the activity is substantially complete.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of locally-sponsored events	0	0/5
# of new recreational facilities	0	0/2

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**

NDR - Environmental Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 2500 LF of stream restored based upon previous WTRBA projects and budget projections. This data will be collected by WTRBA.  
 The current level of nutrient loading will be calculated at the beginning of the project, based upon previous projects by WTRBA there is projected to be a 5% reduction at project completion. WTRBA will collect the data.  
 The functional value of the wetlands will be determined upon completion of restoration, the current value is 0 as they do not exist. WTRBA will collect this data.  
 WTRBA is currently calculating the water levels, based upon previous projects a 5% reduction is projected. WTRBA will collect this data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is underway. In the meantime baseline data is being further developed.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams	0	0/2500
% increase in functional	0	0/10
% reduction in nutrient loading	0	0/5
% reduction of water surface	0	0/5

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (ESOC)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

It is projected that there will be 5 school trips to the wetlands upon completion of the project based upon previous and similar projects by WTRBA. WTRBA will collect the data.  
 The increase to the yet to be restored wetlands will be 100%. This is based upon previous and similar projects by WTRBA. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is substantially complete.

**Accomplishments Performance Measures**

<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
<b>Total</b>	<b>Total</b>



# of school field trips	0	0/5
% increase in # of visitors	0	0/100

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>OV 06 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Forked Deer River Floodplain and Waterway Restorat</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 800 acres of wetland restored/created during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

There will be 2 acres of brownfields converted to wetlands during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

The projected useage of migratory birds, in the yet to be built wetlands, will be calculated by WTRBA during the early stages of the project. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until contstruction is underway. In the meantime baseline data is being further developed.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/800
# of brownfield acres converted	0	0/2
% increase in use by migratory	0	0/25

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (ECO)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**  
NDR - Economic Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current level of road closures is being calculated by the city of Jackson, based upon previous projects completed by WTRBA there is expected to be a 10% decrease in such events. WTRBA and the city of Jackson will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is underway. In the meantime baseline data is being further developed.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% decrease in road closures in</b>	0	0/10



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**

NDR - Environmental Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

The level of nutrient loading will be assessed at the beginning of the project, based upon similar projects completed by WTRBA, there is expected to be a 10% reduction. WTRBA will collect the data. There will be 10 acres of native vegetation planted during the course of the projected, this is based off of budget projections. WTRBA will collect the data.

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is underway. In the meantime baseline data is being further developed.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of acres of native vegetation</b>	0	0/10



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (RES)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current level of ground water infiltration will be assessed at the beginning of the project, based upon similar projects by WTRBA, there is expected to be a 5% increase in this rate. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is underway. In the meantime baseline data is being further developed.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% increase in groundwater</b>	0	0/5



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 07 WTRBA (SOC)</b>
<b>Activity Title:</b>	<b>Jackson Flood Control</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There will be 1 water control structure repaired/replaced, this projection is based on budget projections and need. The data was collected by WTRBA, who will continue to collect it.  
 Trail utilization, on the trail that is to be built as a part of the project, will increase over 100%. This projection is based upon previous projects WTRBA has completed. WTRBA has, and will continue, to collect the data.  
 There is currently 0 LF of trail in the project area, there will be 2000 LF of trail based off of budget projections and engineer assessments. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is complete.

**Accomplishments Performance Measures**

This Report Period	Cumulative Actual Total / Expected
Total	Total



<b># of linear of trails constructed</b>	0	0/2000
<b># of water control structures</b>	0	0/1
<b>% Increase in trail utilization</b>	0	0/100

### Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

### Activity Locations

**No Activity Locations found.**

### Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

#### Other Funding Sources

**Amount**

No Other Funding Sources Found

Total Other Funding Sources



<b>Grantee Activity Number:</b>	<b>OV 08 WTRBA (ENV)</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
West Tennessee River Basin Authority

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The current number of average fish kill events is being generated by a state agency, it is projected that, through restoration efforts, there will be a 25% reduction. This is based off of similar projects undertaken by WTRBA.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is underway. In the meantime baseline data is being further developed.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% reduction of fish kill events</b>	0	0/25



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>OV 08 WTRBA (SOC)</b>
<b>Activity Title:</b>	<b>Cold Creek Chute Restoration</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

It is projected, based upon budget projections, that 1 water control structure will be rehabilitated. This data was collected by the WTRBA, who will continue to collect the data.

The average number of inaccessible days is being calculated by a state agency, it is projected, based upon similar projects by WTRBA, that there will be a 25% reduction in inaccessibility. WTRBA will collect the data.

**Location Description:**

**Activity Progress Narrative:**

The environmental review is currently being completed for this activity. No metrics are able to be reported until construction is complete. In the meantime baseline data is being further developed.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b># of water control structures</b>	0	0/1



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (ECO)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Lauderdale County TN

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 tourism plans in the project area, there will be 1 plan as a result of our actions. The data was derived from the county government.

There are currently 0 visitors to the to be built senic overlook, there will be a 5% increase in visitors to the county after construction. The data was derived from estimates based upon road traffic projections.

**Location Description:**

**Activity Progress Narrative:**

The acquisition process as recently begun for this activity. Visitors can't be tracked until construction is complete. The tourism plan is approximately 55%-60% complete.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of tourism plans adopted</b>	0	0/1



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (RES)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Lauderdale County TN

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 low-impact/maintenance components in the to be constructed scenic overlook, there will be 12 upon completion. The data was derived from preliminary engineer assessments.

**Location Description:**

**Activity Progress Narrative:**

The acquisition process as recently begun for this activity. Visitors can't be tracked until construction is underway.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
<b># of low-impact/maintenance</b>	0	0/9



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 09 Lauderdale (SOC)</b>
<b>Activity Title:</b>	<b>Mississippi River Corridor Outlook</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Lauderdale County TN

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

There are currently 0 tourism plans in the project area, there will be 1 upon completion. The data was derived from conversations with the local county government.

There are currently 0 school trips to the yet to be constructed scenic overlook, there will be 40 upon completion. The data was derived from conversations with the local county government.

There are currently 0 special events at the yet to be constructed scenic overlook, there will be 6 upon completion. The data was derived from conversations with the local county government.

**Location Description:**

**Activity Progress Narrative:**

The acquisition process as recently begun for this activity. These metrics can't be tracked until construction is complete. The tourism plan is approximately 55%-60% complete.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of school field trips	0	0/5
# of special events held	0	0/6
# of tourism plans adopted	0	0/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 10 UofM (ENV)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**  
NDR - Environmental Value

**Project Number:**  
OV Project Tennessee

**Projected Start Date:**  
12/27/2016

**Benefit Type:**  
Area ( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
NDR Outcome Values

**Projected End Date:**  
09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
University of Memphis

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

**Location Description:**

Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

**Activity Progress Narrative:**

Data is still being gathered, analyzed, and curated. This must be completed before area can be mapped.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b>% of project area</b>	0	0/100



### **Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

### **Activity Locations**

**No Activity Locations found.**

### **Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

#### **Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>OV 10 UofM (RES)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Memphis

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Currently 0 acres of the project area are evaluated/mapped with improved data, 300000 acres will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data. Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

**Location Description:**

**Activity Progress Narrative:**

Data is still being gathered, analyzed, and curated. This must be completed before area can be mapped and evaluated.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres with improved	0	0/300000
% of project area	0	0/100

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>OV 10 UofM (SOC)</b>
<b>Activity Title:</b>	<b>Hazard Mapping, Assessment and Education</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

OV Project Tennessee

**Projected Start Date:**

12/27/2016

**Benefit Type:**

Area ( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

NDR Outcome Values

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Memphis

Overall	Jan 1 thru Mar 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Currently 0 public meetings have been held, 8 will be held upon completion of the project. The data was derived from academic research and budget projections; the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 hits, it will have 10,000 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 document downloads, it will have 100 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

The current SOVI score will be calculated during the initial stages of the project, a 3% increase is projected based upon academic research. The University of Memphis will be collecting the data.

Currently 0 recommendations have been implemented, 3 are projected to be implemented during the life of the project. The data is based upon interactions with local government and academic research; the University of Memphis will be collecting the data.

Currently 0 resilience planning documents have been utilized, 5 are expected to be so by the completion of the project. The data is based off of academic research and conversations with local governments; the data will be collected by the University of Memphis.

There are currently 0 data products being used in school curriculums, 3 are projected to be used upon completion of the project. The data is based off of academic and educational research; the University of Memphis will collect the data.



## Location Description:

## Activity Progress Narrative:

Data is still being gathered, analyzed, and curated. Also many of these metrics are contingent on the completion of other NDR activities. Some sub-activity, especially those involving education have yet to begin, so no data is available to be reported.

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Website visits	0	0/550
# of data products used in	0	0/3
# of public education meetings	0	0/3
# of resilience planning	0	0/5
# of resilience planning	0	0/3
# of website document	0	0/100
% improved Social Vulnerability	0	0/3

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	